

**ABSTRACT**

In order to so improve a cutting machine comprising a machine frame , an anvil roller rotatable on the machine frame about an axis of rotation and having an anvil surface, a cutting tool mounted on the machine frame for rotation about an axis of rotation, with a cutter interacting with the anvil surface and with supporting rings which are held on the cutting tool and support it relative to the anvil roller with their supporting ring surfaces and/or vice versa, that the quality of the cutting effect can be maintained even when the cutter becomes worn, it is proposed that the diameter of the supporting ring surface of each supporting ring be adjustable by radial stretching of the supporting ring within the range below an elastic expansion limit of its material by means of an expansion device.